

Please amend the application as follows:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-15: (Cancelled)

I1
Claim 16: (Currently Amended) A confocal microscope comprising:
optics defining a path of rays of a confocal microscope;
~~and comprising~~ an ³ocular;
⁶a tube lens; and
²a rotatable optical system for image rotation disposed in the path of rays of the
confocal microscope, wherein the rotatable optical system is disposed between a scanning
lens and a scanning ⁸mirror of a laser ⁷scanner in the path of rays of the confocal microscope,
wherein the rotatable optical system for image rotation serves to rotate all scanning and video
images fed through the laser scanner into the microscope.

I2
Claim 17: (Previously amended) Confocal microscope according to claim 16, wherein
the rotatable optical system for image rotation is a prism.

I3
Claim 18: (Previously amended) Confocal microscope according to claim 17, wherein
the prism is a dove prism.

Claim 19: (Previously amended) Confocal microscope according to claim 17, wherein
the prism is an Abbe prism.

I4
Claim 20: (Previously amended) Confocal microscope according to claim 16, wherein
the rotatable optical system for image rotation is a mirror system.

I5
Claim 21: (Previously amended) Confocal microscope according to claim 20, wherein
the mirror system is a system with an odd number of mirrors.

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Claim 22: (Previously amended) Confocal microscope according to claim 20, wherein the mirror system is configured as a K mirror.

Claim 23: (Cancelled)

Claim 24: (Cancelled)

Claim 25: (Cancelled)

II

Claim 26: (Previously amended) Confocal microscope according to claim 16, wherein the laser scanner further comprises a fixed thick beam splitter to avoid interferences.

II

Claim 27: (Currently Amended) Confocal microscope according to claim 16, wherein further comprising an axially movable objective ~~is provided for the photographing of z-~~ sections in a desired directional orientation.

Claim 28: (Currently Amended) Confocal microscope according to claim 16, wherein further comprising an axially movable objective turret ~~is provided for the photographing of z-~~ sections in a desired directional orientation.

Claims 29 – 42: (Cancelled)

Claim 43: (Previously added) The confocal microscope according to claim 16, further comprising:

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an excitation¹³ pinhole disposed in a path of excitation light; and
a detection¹¹ pinhole disposed proximate to a detector.

Claim 44: (Previously added) The confocal microscope according to claim 16, wherein the scanning mirror directs a rotated image to a detector¹².

Claim 45: (Cancelled)

Claim 46: (Cancelled)